Table of Contents of volume 73

No. 1 (pp 1–64) published February 1999
No. 2 (pp 65–128) published March 1999
No. 3 (pp 129–188) published April/May 1999
No. 4–5 (pp 189–288) published June/July 1999
No. 6 (pp 289–352) published August 1999
No. 7 (pp 353–412) published September/October 1999
No. 8–9 (pp 413–500) published November/December 1999
No. 10–11 (pp 501–610) published January 2000
No. 12 (pp 611–662) published February 2000

Abel J → Harth V
Aguilar C → Hernández-Zavala A
Ahr HJ → Vohr H-W
Albores A → Hernández-Zavala A
Almendárez J → McConnell R
Almstadt E → Henschke P
Alvarez-Demanuel E → Lafuente A
Ando M → Hanioka N
Ando M → Hirano S
Andreas K → Häntzschel A
Appel KE → Henschke P
Appelkvist E-L → Brüning T
Arafa HMM, Elmazar MMA, Hamada FMA, Reichert U, Shroot B, Nau H: Selective agonists of retinoic acid receptors: comparative toxicokinetics and embryonic exposure 547
Asahi M → Yamamoto O
Assennato G → Brescia G
Ayaki H → Nishio H

Barrouillet MP, Moiret A, Cambar J: Protective effects of polyphenols against cadmium-induced glomerular mesangial cell myocontracture 485
Baubichon D → Lallement G
Baudrimont I → Belmadani A
Bell SA, Sander C, Kuntze I, Chatelain R: The acute pathology of fatty acid anilides and linoleic diester of 3-phenylamino-1,2-propanediol in mice: possible implication as aetiologic agents for the toxic oil syndrome 493
Belmadani A, Steyn PS, Tramu G, Betbeder A-M, Baudrimont I, Creppy EE: Selective toxicity of ochratoxin A in primary cultures from different brain regions 108
Bernauer U, Vieth B, Ellrich R, Heinrich-Hirsch B, Jänig G-R, Gundert-Remy U: CYP2E1 expression in bone marrow and its intra- and interspecies variability: approaches for a more reliable extrapolation from one species to another in the risk assessment of chemicals 618
Bernauer U, Vieth B, Ellrich R, Heinrich-Hirsch B, Jänig G-R, Gundert-Remy U: CYP2E1-dependent benzene toxicity: the role of extrahepatic benzene metabolism 189
Betbeder A-M → Belmadani A
Binding N → Mußhoff U
Birner G → Brüning T
Black RM, Harrison JM, Read RW: The interaction of sarin and soman with plasma proteins: the identification of a novel phosphonylation site 123
Blaszkewicz M → Thier R
Blotz A → Vohr H-W
Blümel J → Vohr H-W
Boada LD, Zumbado M, Torres S, López A, Díaz-Chico BN, Cabrera JJ, Luzardo OP: Evaluation of acute and chronic hepatotoxic effects exerted by anabolic-androgenic steroid stanozolol in adult male rats 465
Bock KW → Köhle C
Bolt HM → Brüning T
Bolt HM → Thier R
Bolt HM → Upmeier A
Bomhard E → Hildebrand H
Bonini M → Traoré A
Booth ED → Brandt HCA
Booth ED → Potter D
Booth ED, Loose RW, Watson WP: Effects of solvent on DNA adduct formation in skin and lung of CD1 mice exposed cutaneously to benzo(a)pyrene 316
Borja VH → Hernández-Zavala A
Brandt HCA → Potter D
Brandt HCA, Booth ED, de Groot PC, Watson WP: Development of a carcinogenic potency index for dermal exposure to viscous oil products 180
Brescia G, Celotti L, Clonfero E, Neumann HG, Forni A, Foà V, Pisoni M, Ferri GM, Assennato G: The influence of cytochrome P450 1A1 and glutathione S-transferase M1 genotypes on biomarker levels in coke-oven workers 431
Brüning T → Harth V
Brüning T → Thier R
Brüning T, Abel J, Koch B, Lorenzen K, Harth V, Donat S, Sachinidis A, Vetter H, Bolt HM, Ko Y: Real-time PCR-analysis of the cytochrome P450 1B1 codon 432-polymorphism 427
Brüning T, Sundberg AGM, Birner G, Lammert M, Bolt HM, Appelkvist E-L, Nilsson R, Dallner G: Glutathione transferase alpha as a marker for tubular damage after trichloroethylene exposure 246
Burckhart M-F → Lallement G

Cabrera JJ → Boada LD
Cambar J → Barrouillet MP
Cambar J → L'Azou B
Carvalho F, Fernandes E, Remião F, de Lourdes Bastos M: Effect of *d*-amphetamine repeated administration on rat antioxidant defences 83
Cascante M → Richeux F
Cassel GE → Jacobsson SOP
Catania S → Costa C
Cebrián ME → Hernández-Zavala A
Celotti L → Brescia G
Certa H → Upmeier A
Chainy GBN → Samanta L
Chang MJW → Cheng T-J
Chatelain R → Bell SA
Chen Y-H → Hsieh L-L
Cheng T-J, Hwang S-J, Kuo H-W, Luo J-C, Chang MJW: Exposure to epichlorohydrin and dimethylformamide, glutathione S-transferases and sister chromatid exchange frequencies in peripheral lymphocytes 282
Chevalier S → Hasmall SC
Chiu L-L → Hsieh L-L
Chou F-P → Chu C-Y
Chu C-Y, Tseng T-H, Hwang J-M, Chou F-P, Wang C-J: Protective effects of capillarisin on tert-butylhydroperoxide-induced oxidative damage in rat primary hepatocytes 263
Chung Y-S → Hanioka N
Clarençon D → Lallement G
Clonfero E → Brescia G
Copeland T → McDonough JH Jr
Cordier A → L'Azou B
Costa C, Pupo C, Viscomi G, Catania S, Salemi M, Imperatore C: Modifications in the metabolic pathways of benzene in streptozotocin-induced diabetic rat 301
Cosulich SC → Hasmall SC
Creppy EE → Belmadani A
Creppy EE → Richeux F
Creppy EE → Traoré A
Cristofori P → Trevisan A
Cuadra R → McConnell R

Dallner G → Brüning T
Dano SD → Traoré A
de Groot PC → Brandt HCA
de Lourdes Bastos M → Carvalho F
Degen GH → Upmeier A
Del Razo LM → Hernández-Zavala A
Delgado-Téllez E → McConnell R
Díaz-Chico BN → Boada LD
Diepold C → Worek F
Donat S → Harth V
Dote T → Usuda K
Durner J → Reichl FX

Egerbacher M, Seiberl G, Wolfesberger B, Walter I: Ciprofloxacin causes cytoskeletal changes and detachment of human and rat chondrocytes in vitro 557
El-Fawal HAN → McConnell R
Ellrich R → Bernauer U
Elmazar MMA → Arafa HMM
Elsenhans B → Reichl FX
Ema M, Miyawaki E, Kawashima K: Suppression of uterine decidualization as a cause of implantation failure induced by triphenyltin chloride in rats 175
Endele R → Meyer K
Ennamany R → Richeux F
Esquifino AI → Lafuente A
Evander SA → Stahlmann R
Ewens S, Wulferink M, Goebel C, Gleichmann E: T cell-dependent immune reactions to reactive benzene metabolites in mice 159
Eyer P → Worek F

Fabrizi L → Rossi S
Falkenberg FW → Hildebrand H
Fanelli G → Trevisan A
Fernandes E → Carvalho F
Ferri GM → Brescia G
Firling CE, Hill TA, Severson AR: Aluminum toxicity perturbs long bone calcification in the embryonic chick 359
Fitzgerald C → Swearengin TA
Flores J → Stahlmann R
Foà V → Brescia G
Fonnum F → Voie ØA
Forni A → Brescia G
Forth W → Reichl FX
Frieauff W → L'Azou B
Fujita S → Shimamoto Y
Fujita S → Yamamoto H
Fung J → Iba MM
Furukawa T, Manabe S, Watanabe T, Sehata S, Sharyo S, Okada T, Mori Y: Daily fluctuation of hepatic P450 monooxygenase activities in male rats is controlled by the suprachiasmatic nucleus but remains unaffected by adrenal hormones 367

Galati AJ → Graziano MJ
Galonnier M → Lallement G
García-Vargas GG → Hernández-Zavala A
Gebhard S → Schlink K
Gemma S → Rossi S
Gisi D, Leisinger T, Vuilleumier S: Enzyme-mediated dichloromethane toxicity and mutagenicity of bacterial and mammalian dichloromethane-active glutathione S-transferases 71
Gleichmann E → Ewens S
Goebel C → Ewens S
Grawé KP, Oskarsson A: Cadmium in milk and mammary gland in rats and mice 519
Graziano MJ, Galati AJ, Walsh KM: Immunotoxicity of the anticancer drug CI-994 in rats: effects on lymphoid tissue 168
Gschaidmeier H → Köhle C
Guengerich FP → Nedelcheva V
Gundert-Remy U → Bernauer U
Gut I → Nedelcheva V

Hamada FMA → Arafa HMM
Hanioka N, Jinno H, Chung Y-S, Nishimura T, Tanaka-Kagawa T, Ando M: Effect of 4-*tert*-octylphenol on cytochrome P450 enzymes in rat liver 625
Häntzschel A, Andreas K: Non-N-methyl-D-aspartate (NMDA) receptor antagonist 1,2,3,4-tetrahydro-6 nitro-2,3-dioxo-benzo(f)quinoxaline-7-sulphonamide (NBQX) decreases functional disorders in cytotoxic brain oedema 581
Harrison JM → Black RM
Harth V, Donat S, Ko Y, Abel J, Vetter H, Brüning T: NAD(P)H quinone oxidoreductase 1 codon 609 polymorphism and its association to colorectal cancer 528
Hashimoto M → Yamazaki H
Hasmall SC, James NH, Macdonald N, West D, Chevalier S, Cosulich SC, Roberts RA: Suppression of apoptosis and induction of DNA synthesis in vitro by the phthalate plasticizers monoethylhexylphthalate (MEHP) and diisononylphthalate (DINP): a comparison of rat and human hepatocytes in vitro 451
Hayasaki Y → Yamamoto H
Hayashi C → Nishio H
Heinrich-Hirsch B → Bernauer U
Hengstler JG → Schlink K
Henschke P, Almstadt E, Lüttgert S, Appel KE: Metabolites of the biocide *o*-phenylphenol generate oxidative DNA lesions in V 79 cells 607
Hernández-Zavala A, Del Razo LM, García-Vargas GG, Aguilar C, Borja VH, Albores A, Cebrián ME: Altered activity of heme biosynthesis pathway enzymes in individuals chronically exposed to arsenic in Mexico 90
Hickel R → Reichl FX
Higashi T → Zang X-P
Hildebrand H, Rinke M, Schlüter G, Bomhard E, Falkenberg FW: Urinary antigens as markers of papillary toxicity. II: Application of monoclonal antibodies for the determination of papillary antigens in rat urine 233
Hill TA → Firling CE
Hirano S → Kitajima H
Hirano S, Ando M, Kanno S: Inflammatory responses of rat alveolar macrophages following exposure to fluoride 310
Hirose K → Yamamoto H
Hirose M → Shinoda K
Hirose M → Shoda T
Homey B → Vohr H-W
Hori H → Yamamoto O
Horie T → Masubuchi Y
Hsieh L-L, Liou S-H, Chiu L-L, Chen Y-H: Glutathione S-transferase (GST) M1 and GST T1 genotypes and hematopoietic effects of benzene exposure 80
Hume WR → Reichl FX
Hwang J-M → Chu C-Y
Hwang S-J → Cheng T-J

Iatropoulos MJ → Williams GM
Iba MM, Fung J, Thomas PE, Park Y: Constitutive and induced expression by pyridine and β-naphthoflavone of rat CYP1A is sexually dimorphic 208
Imazawa T → Shoda T
Imperatore C → Costa C
Ingelman-Sundberg M → Nedelcheva V
Inoue K → Taniguchi M
Inoue K → Yamazaki H
Inoue K, Yamazaki H, Shimada T: *CYP2A6* genetic polymorphisms and liver microsomal coumarin and nicotine oxidation activities in Japanese and Caucasians 532
Iwai M → Shimamoto Y

Jacobs E → Kulling SE
Jacobsson SOP, Cassel GE, Persson S-Å: Increased levels of nitrogen oxides and lipid peroxidation in the rat brain after soman-induced seizures 269
James NH → Hasmall SC
Janßen K → Schlink K
Jänig G-R → Bernauer U
Jeffrey AM → Williams GM
Jena N → Ray SD
Jinno H → Hanioka N
Jokanovic M → Moretto A

Kaminski NE → Ouyang Y
Kanno S → Hirano S
Kawashima K → Ema M
Kazusaka A → Shimamoto Y
Kazusaka A → Yamamoto H
Keifer M → McConnell R
Kempkes M → Thier R
Kikkawa Y → Sindhu RK
Kitajima H, Hirano S, Suzuki KT: Upregulation of heme oxygenase gene expression in rat lung epithelial cells following exposure to cadmium 410
Kitamura H → Shimamoto Y
Kiyomiya K → Matsuo S
Klein S → Schlink K
Knecht U, Reske A, Woitowitz H-J: Biological monitoring of standardized exposure to ethylbenzene: evaluation of a biological tolerance (BAT) value 632
Ko Y → Harth V
Kobayashi K → Zang X-P
Kocher K → Thier R
Koga M → Yamamoto O
Köhle C, Gschaidmeier H, Lauth D, Topell S, Zitzer H, Bock KW: 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD)-mediated membrane translocation of c-Src protein kinase in liver WB-F344 cells 152
Koizumi N → Nishio H
Konishi M → Masubuchi Y
Kono K → Usuda K
Koshino Y → Zang X-P
Koyanagi F → Totsuka S
Kozawa O → Sassa T
Kühner S → Stahlmann R
Kühnle H-F → Meyer K
Kulling SE, Rosenberg B, Jacobs E, Metzler M: The phytoestrogens coumoestrol and genistein induce structural chromosomal aberrations in cultured human peripheral blood lymphocytes 50
Kumada T → Sassa T
Kuntze I → Bell SA
Kunzelmann KH → Reichl FX
Kuo H-W → Cheng T-J
Kurebe M → Matsuo S

L'Azou B, Medina J, Frieauff W, Cordier A, Cambar J, Wolf A: In vitro models to study mechanisms involved in cyclosporine A-mediated glomerular contraction 337
Lafuente A, Alvarez-Demanuel E, Márquez N, Esquifino AI: Pubertal dependent effects of cadmium on episodic prolactin secretion in male rats 60
Laitinen J → Liesivuori J
Lallement G, Clarençon D, Galonnier M, Baubichon D, Burckhart M-F, Peoc'h M: Acute soman poisoning in primates neither pretreated nor receiving immediate therapy: value of gacyclidine (GK-11) in delayed medical support 115

Lammert M → Brüning T
Lauth D → Köhle C
Lee MJ → Nishio H
Leisinger T → Gisi D
Lewalter J → Thier R
Liesivuori J, Laitinen J, Savolainen H: Rat model for renal effects of 2-alkoxyalcohols and their acetates 229
Liou S-H → Hsieh L-L
Loose RW → Booth ED
Loose RW → Potter D
López A → Boada LD
Lotti M → Moretto A
Lundberg I → McConnell R
Lundholm CE → Romare A
Luo F-Q → Williams GM
Luo J-C → Cheng T-J
Lüttgert S → Henschke P
Luzardo OP → Boada LD

Macdonald N → Hasmall SC
Madeja M → Mußhoff U
Makropoulos V → Thier R
Manabe S → Furukawa T
Manabe S → Totsuka S
Márquez N → Lafuente A
Masubuchi Y, Konishi M, Horie T: Imipramine- and mianserin-induced acute cell injury in primary cultured rat hepatocytes: implication of different cytochrome P450 enzymes 147
Masuda M → Yamamoto H
Matsuno H → Sassa T
Matsuo S, Nakagawa H, Kiyomiya K, Kurebe M: Fluoride-induced ultrastructural changes in exocrine pancreas cells of rats: fluoride disrupts the export of zymogens from the rough endoplasmic reticulum (rER) 611
McConnell R, Delgado-Téllez E, Cuadra R, Tórres E, Keifer M, Almendárez J, Miranda J, El-Fawal HAN, Wolff M, Simpson D, Lundberg I: Organophosphate neuropathy due to methamidophos: biochemical and neurophysiological markers 296
McDonough JH Jr, McMonagle J, Copeland T, Zoeffel D, Shih T-M: Comparative evaluation of benzodiazepines for control of soman-induced seizures 473
McMonagle J → McDonough JH Jr
Medina J → L'Azou B
Metzler M → Kulling SE
Meyer K, Völkl A, Endele R, Kühnle H-F, Pill J: Species differences in induction of hepatic enzymes by BM 17.0744, an activator of peroxisome proliferator-activated receptor alpha (PPARα) 440
Meyer-Baron M, Seeber A: A meta-analysis for neurobehavioural results due to occupational lead exposure with blood lead concentrations < 70 μg/100 ml 510
Miranda J → McConnell R
Mitsumori K → Shinoda K
Mitsumori K → Shoda T
Miyawaki E → Ema M
Moes GW → Reichl FX
Moiret A → Barrouillet MP
Moretto A, Jokanovic M, Lotti M: The relevance of inhibitor-substrate interactions when measuring neuropathy target esterase inhibition 655
Mori Y → Furukawa T
Mráz J → Nedelcheva V
Mußhoff U, Madeja M, Binding N, Witting U, Speckmann E-J: Effects of 2-phenoxyethanol on N-methyl-D-aspartate (NMDA) receptor-mediated ion currents 55
Mückter H → Reichl FX

Nakagawa H → Matsuo S
Nau H → Arafa HMM
Nedelcheva V, Gut I, Souček P, Tichavská B, Týnkova L, Mráz J, Guengerich FP, Ingelman-Sundberg M: Metabolism of benzene in human liver microsomes: individual variations in relation to CYP2E1 expression 33
Neumann HG → Brescia G
Nilsson R → Brüning T
Ninomiya R → Nishio H
Nishimura T → Hanioka N
Nishio H, Hayashi C, Lee MJ, Ayaki H, Yamamoto R, Ninomiya R, Koizumi N, Sumino K: Itai-itai disease is not associated with polymorphisms of the estrogen receptor α gene 496
Nishiura H → Usuda K
Nitzsche S → Schlink K
Niwa M → Sassa T
Niwa T → Sassa T

Oesch F → Schlink K
Oka R → Zang X-P
Okada T → Furukawa T
Onodera H → Shinoda K
Onodera H → Shoda T
Oskarsson A → Grawé KP
Ouyang Y, Kaminski NE: Phospholipase A_2 inhibitors *p*-bromophenacyl bromide and arachidonyl trifluoromethyl ketone suppressed interleukin-2 (IL-2) expression in murine primary splenocytes 1

Park Y → Iba MM
Peoc'h M → Lallement G
Persson S-Å → Jacobsson SOP
Pill J → Meyer K
Pisoni M → Brescia G
Pittman B → Williams GM
Pohjanvirta R → Viluksela M
Potter D, Booth ED, Brandt HCA, Loose RW, Priston RAJ, Wright AS, Watson WP: Studies on the dermal and systemic bioavailability of polycyclic aromatic compounds in high viscosity oil products 129
Priston RAJ → Potter D
Pupo C → Costa C

Ray SD, Jena N: A hepatotoxic dose of acetaminophen modulates expression of BCL-2, BCL-XL, and BCL-X_S during apoptotic and necrotic death of mouse liver cells in vivo 594
Read RW → Black RM
Reichert U → Arafa HMM
Reichl FX, Durner J, Mückter H, Elsenhans B, Forth W, Kunzelmann KH, Hickel R, Spahl W, Hume WR, Moes GW: Effect of dental materials on gluconeogenesis in rat kidney tubules 381
Remião F → Carvalho F
Reske A → Knecht U
Richeux F, Cascante M, Ennamany R, Saboureau D, Creppy EE: Cytotoxicity and genotoxicity of capsaicin in human neuroblastoma cells SHSY-5Y 403
Rinke M → Hildebrand H
Roberts RA → Hasmall SC
Roberts RA: Peroxisome proliferators: mechanisms of adverse effects in rodents and molecular basis for species differences 413
Romare A, Lundholm CE: Cadmium-induced calcium release and prostaglandin E_2 production in neonatal mouse calvaria are dependent on cox-2 induction and protein kinase C activation 223
Rosenberg B → Kulling SE
Rossi S, Gemma S, Fabrizi L, Testai E, Vittozzi L: Time dependence of chloroform-induced metabolic alterations in the liver and kidney of B6C3F1 mice 387
Rozman KK → Viluksela M

Saboureau D → Richeux F
Sahoo A → Samanta L
Saijoh K → Zang X-P
Saito M → Shimamoto Y
Sakai H → Sindhu RK
Salemi M → Costa C
Samanta L, Sahoo A, Chainy GBN: Age-related changes in rat testicular oxidative stress parameters by hexachlorocyclohexane 96
Sander C → Bell SA
Sassa T, Matsuno H, Niwa M, Kozawa O, Takeda N, Niwa T, Kumada T, Uematsu T: Measurement of furancarboxylic acid, a candidate for uremic toxin, in human serum, hair, and sweat, and analysis of pharmacological actions in vitro 649
Savolainen H → Liesivuori J
Schlink K, Janßen K, Nitzsche S, Gebhard S, Hengstler JG, Klein S, Oesch F: Activity of O^6-methylguanine DNA methyltransferase in mononuclear blood cells of formaldehyde-exposed medical students 15
Schlüter G → Hildebrand H
Schuhmacher US → Upmeier A
Schwabe R → Stahlmann R
Seeber A → Meyer-Baron M
Sehata S → Furukawa T
Seiberl G → Egerbacher M
Seidler NW → Swearengin TA
Selinski S → Thier R
Severson AR → Firling CE
Shakibaei M → Stahlmann R
Sharma RP → Tsunoda M
Sharyo S → Furukawa T
Shih T-M → McDonough JH Jr
Shimada T → Inoue K
Shimada T → Yamazaki H
Shimamoto Y, Kitamura H, Iwai M, Saito M, Kazusaka A, Fujita S: Mechanism of decrease in levels of hepatic P450 isozymes induced by intracerebral

endotoxin: independence from sympathetic nervous and adrenocortical systems 41
Shinoda K, Mitsumori K, Yasuhara K, Uneyama C, Onodera H, Hirose M, Uehara M: Doxorubicin induces male germ cell apoptosis in rats 274
Shoda T, Mitsumori K, Onodera H, Toyoda K, Uneyama C, Imazawa T, Hirose M: The relationship between decrease in Cx32 and induction of P450 isozymes in the early phase of clofibrate hepatocarcinogenesis in the rat 373
Shroot B → Arafa HMM
Simpson D → McConnell R
Sindhu RK, Sakai H, Kikkawa Y: Effect of hyperoxia on rat pulmonary and hepatic cytochrome P450 monooxygenases 540
Souček P → Nedelcheva V
Spahl W → Reichl FX
Speckmann E-J → Mußhoff U
Stahl BU → Viluksela M
Stahlmann R, Kühner S, Shakibaei M, Flores J, Vormann J, van Sickle DC: Effects of magnesium deficiency on joint cartilage in immature Beagle dogs: immunohistochemistry, electron microscopy, and mineral concentrations 573
Stahlmann R, Kühner S, Shakibaei M, Schwabe R, Flores J, Evander SA, van Sickle DC: Chondrotoxicity of ciprofloxacin in immature Beagle dogs: immunohistochemistry, electron microscopy and drug plasma concentrations 564
Steyn PS → Belmadani A
Sugawara C → Sugawara N
Sugawara N, Sugawara C: An iron-deficient diet stimulates the onset of the hepatitis due to hepatic copper deposition in the Long-Evans Cinnamon (LEC) rat 353
Sumino K → Nishio H
Sundberg A → Thier R
Sundberg AGM → Brüning T
Suzuki KT → Kitajima H
Swearengin TA, Fitzgerald C, Seidler NW: Carnosine prevents glyceraldehyde 3-phosphate-mediated inhibition of aspartate aminotransferase 307

Tagawa T → Usuda K
Takeda N → Sassa T
Takedomi K → Taniguchi M
Tanaka I → Yamamoto O
Tanaka K → Totsuka S
Tanaka-Kagawa T → Hanioka N
Taniguchi M, Yasutake A, Takedomi K, Inoue K: Effects of N-nitrosodimethylamine (NDMA) on the oxidative status of rat liver 141
Tanii H → Zang X-P
Testai E → Rossi S
Thier R, Brüning T, Kocher K, Blaszkewicz M, Makropoulos V, Sundberg A, Bolt HM: Determination of urinary thymidine glycol using affinity chromatography, HPLC and post-column reaction detection: a biomarker of oxidative DNA damage upon kidney transplantation 479
Thier R, Lewalter J, Kempkes M, Selinski S, Brüning T, Bolt HM: Haemoglobin adducts of acrylonitrile and ethylene oxide in acrylonitrile workers, dependent on polymorphisms of the glutathione transferases GSTT1 and GSTM1 197
Thier R, Wiebel FA, Bolt HM: Differential substrate behaviours of ethylene oxide and propylene oxide towards human glutathione transferase theta hGSTT1-1 489
Thomas PE → Iba MM
Tichavská B → Nedelcheva V
Topell S → Köhle C
Tórres E → McConnell R
Torres S → Boada LD
Totsuka S, Watanabe T, Koyanagi F, Tanaka K, Yasuda M, Manabe S: Increase in urinary excretion of 6β-hydroxy- cortisol in common marmosets as a marker of hepatic CYP3A induction 203
Toyoda K → Shoda T
Tramu G → Belmadani A
Traoré A, Bonini M, Dano SD, Creppy EE: Synergistic effects of some metals contaminating mussels on the cytotoxicity of the marine toxin okadaic acid 289
Trevisan A, Cristofori P, Fanelli G: Glutamine synthetase activity in rat urine as sensitive marker to detect S_3 segment-specific injury of proximal tubule induced by xenobiotics 255
Tseng T-H → Chu C-Y
Tsunoda M, Sharma RP: Modulation of tumor necrosis factor α expression in mouse brain after exposure to aluminum in drinking water 419
Tuomisto JT → Viluksela M
Týnkova L → Nedelcheva V

Uehara M → Shinoda K
Uematsu T → Sassa T
Uneyama C → Shinoda K
Uneyama C → Shoda T
Unkila M → Viluksela M
Upmeier A, Degen GH, Schuhmacher US, Certa H, Bolt HM: Toxicokinetics of *p-tert*-octylphenol in female DA/Han rats after single i.v. and oral application 217
Usuda K, Kono K, Dote T, Nishiura H, Tagawa T: Usefulness of the assessment of urinary enzyme leakage in monitoring acute fluoride nephrotoxicity 346

van Sickle DC → Stahlmann R
Vetter H → Harth V
Vieth B → Bernauer U
Viluksela M, Unkila M, Pohjanvirta R, Tuomisto JT, Stahl BU, Rozman KK, Tuomisto JT: Effects of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) on liver phosphoenolpyruvate carboxykinase (PEPCK) activity, glucose homeostasis and plasma amino acid concentrations in the most TCDD-susceptible and the most TCDD-resistant rat strains 323
Viscomi G → Costa C
Vittozzi L → Rossi S
Vohr H-W, Blümel J, Blotz A, Homey B, Ahr HJ: An intra-laboratory validation of the Integrated Model for the Differentiation of Skin Reactions (IMDS): discrimination between (photo)allergic and (photo)irritant skin reactions in mice 501
Voie ØA, Fonnum F: Effect of polychlorinated biphenyls on production of reactive oxygen species (ROS) in rat synaptosomes 588
Völkl A → Meyer K
Vormann J → Stahlmann R
Vuilleumier S → Gisi D

Walsh KM → Graziano MJ
Walter I → Egerbacher M
Wang C-J → Chu C-Y
Wang C-X → Williams GM
Watanabe T → Furukawa T
Watanabe T → Totsuka S
Watson WP → Booth ED
Watson WP → Brandt HCA
Watson WP → Potter D
West D → Hasmall SC
Wiebel FA → Thier R
Williams GM, Iatropoulos MJ, Jeffrey AM, Luo F-Q, Wang C-X, Pittman B: Diethylnitrosamine exposure-responses for DNA ethylation, hepatocellular proliferation, and initiation of carcinogenesis in rat liver display non-linearities and thresholds 394
Witting U → Mußhoff U
Woitowitz H-J → Knecht U
Wolf A → L'Azou B
Wolfesberger B → Egerbacher M
Wolff M → McConnell R
Worek F, Diepold C, Eyer P: Dimethylphosphoryl-inhibited human cholinesterases: inhibition, reactivation, and aging kinetics 7
Wright AS → Potter D
Wulferink M → Ewens S

Yamamoto H, Hirose K, Hayasaki Y, Masuda M, Kazusaka A, Fujita S: Mechanism of enhanced lipid peroxidation in the liver of Long-Evans cinnamon (LEC) rats 457
Yamamoto O, Hori H, Tanaka I, Asahi M, Koga M: Experimental exposure of rat skin to methyl bromide: a toxicokinetic and histopathological study 641
Yamamoto R → Nishio H
Yamazaki H → Inoue K
Yamazaki H, Inoue K, Hashimoto M, Shimada T: Roles of CYP2A6 and CYP2B6 in nicotine C-oxidation by human liver microsomes 65
Yasuda M → Totsuka S
Yasuhara K → Shinoda K
Yasutake A → Taniguchi M

Zang X-P, Tanii H, Kobayashi K, Higashi T, Oka R, Koshino Y, Saijoh K: Behavioral abnormalities and apoptotic changes in neurons in mice brain following a single administration of allylnitrile 22
Zitzer H → Köhle C
Zoeffel D → McDonough JH Jr
Zumbado M → Boada LD

Subject index of volume 73

Acetaminophen 594
Acetylcholinesterase 7
Acetyldinaline 168
Acrylonitrile 197
Acute renal failure 346
Adhesion 310
Adrenals 367
Adrenalectomy 41
Alkaline phosphatase 359
Alkoxyacetates 229
Alkoxycoumarin dealkylase 367
Alkylphenol 625
Allylnitrile 22
Aluminum 419
Aluminum toxicity 359
Alveolar macrophage 310
Amino acids 323
Anticonvulsant 473
Antioxidant defence 96
Antioxidant enzymes 83
Apoptosis 22, 274, 451, 594
Arachidonyl trifluoromethylketone 1
Area under the time vs concentration curve (AUC) 547
Arsenic 90
Aryl hydrocarbon receptor 152, 540
Aspartate aminotransferase 307
Autophagosome 611

B6C3F1 mice 387
Bacterial genotoxicity 71
bcl-X_L expression 594
Behavioral abnormalities 22
Benzene 33, 80, 159, 189, 301
Benzo(a)pyrene 129, 180, 316
Benzodiazepine 473
Benzoquinone 159
Bioavailability 129, 180
Biological monitoring 632
Biomarkers 123, 431
Bitumen 129, 180
BM 17.0744 440
Bone calcification 359
Bone marrow 189
Brain 269
Bromide ion 641
p-Bromo- phenacyl bromide 1
Butylene oxide 489

c-Src protein kinase 152
Cadmium 60, 223, 410, 485, 496, 519
Capillarisin 263
Capsaicin 403
Carcinogenic potency 180
Carcinogenicity 607
Carnosine 307
Caucasian 532
Cell cultures 485
Cell cycle 465
Cell proliferation 394
Chloroform toxicity 387
Chlorzoxazone 33
Chondrocytes 557
Chronic exposure 90
CI-994 168
Clofibrate 373
Coke-oven workers 431
Collagen 359
Colorectal cancer 528
Common marmoset 203
Connexin 373
Contact hypersensitivity 501
Coordinative motor behaviour 581
Copper 457
Coumarin 532
Coumoestrol 50
Covalent binding 33
Cox-2 223
Creatinine 346
Cu and Fe metabolism 353
Cyclosporin 337
CYP1A1 208, 431, 540
CYP1A2 540
CYP1B1 427
CYP2A6 65
CYP2A6 532
CYP2B6 65
CYP2E1 189, 618
CYP3A 203
Cytochrome P450 33, 41, 147, 301, 625
Cytokine 310
Cytoskeleton 557
Cytotoxic brain oedema 581
Cytotoxicity 263, 289, 403

d-Amphetamine 83
Daidzein 50
Daily fluctuation 367
Decidual cell response 175
Dental material 381
Diabetes 301
Dichloromethane 71
Dichloromethane dehalogenase 71
Diethylhexylphthalate (DEHP) 413, 451
Diethylnitrosamine 394
Diisononylphthalate (DINP) 451
Dimethylformamide 282
Dioxins 152
DNA adduct 316
DNA damage 394, 479
DNA fragmentation 594
DNA repair 15
DNA synthesis 451
Doxorubicin 274
Drinking water contaminant 419

EGF receptor 152
ELISA-tests 233
Embryonic bone 359
Embryonic exposure 547
Endocrine disruption 625
Enterohepatic circulation 217
Environmental oestrogens 217
Enzyme kinetics 33
Epichlorohydrin 282
Estrogen receptor 496
Ethanediol 229
Ethylbenzene in blood 632
Ethylene glycol monophenyl ether 55
Ethylene oxide 197, 489
Exocrine pancreas cell 611
Extrahepatic metabolism 189

Fatty acid anilides 493
Fluoride 310, 346, 611
Fluoroquinolones 557
Formaldehyde 15, 71
Free radicals 588
Furancarboxylic acid 649

Gacyclidine 115
GC/MS 649
Genistein 50
Genotoxicity 263, 403
Glial fibrillary acidic protein 296
Glomerular mesangial cells 485
Gluconeogenesis 381
Glucose 323
Glutamate receptor 55
Glutamine synthetase 255
Glutathione 83, 141
Glutathione S-transferase 71, 80, 246, 346
Glutathione S-transferase M1 282, 431
Glutathione transferase 246
Glutathione transferase polymorphisms 197
Glutathione transferase 282, 489
Glyceraldehyde 3-phosphate 307
Glycogen 323
Glycol ether 55

Habenula 22
Haemoglobin adducts 197
Hair 649
Head space gas chromatography 641
Hematotoxicity 80
Heme oxygenase 410
Hepatitis 353, 457
Hepatocellular altered foci 394
Hepatocytes 147, 263
Hepatotoxicity 147, 465, 594
Hexachloro-1:3-butadiene 255
Hexachlorocyclohexane 96
Hexachlorophene 581
Histopathology 96, 641
HPLC 203
Human P450 65
Human peripheral blood lymphocytes 50
Hydroquinone 159
6β-Hydroxycortisol 203
2-Hydroxyethylmethacrylate (HEMA) 381
Hydroxyl radical 457
Hyperoxia 540

IL-2 expression 1
Imipramine 147
Immunotoxicity 159, 168
Implantation failure 175
Inorganic lead 510
Integrated Model for the Differentiation of Skin Reactions (IMDS) 501
Integrins 557
Intracellular mediators 337
Intracellular transport 611
Intracerebroventricular 41
Irritant contact dermatitis 501
Isolated glomeruli 337
Itai-itai disease 496

Japanese 532

Kidney 387
Kidney cells 381
Kidney transplantation 479
Kinetics 655

Lactation 519
Leukaemia 189
Light-Cycler 427
Linoleoyl anilide 493
Lipid peroxidation 96, 269, 457
Lipopolysaccharide 41

Liver 141, 367, 373, 387
Liver microsomes 65
Liver neoplasms 394
Local Lymph Node Assay (LLNA) 501
Local metabolism 618
Long-Evans Cinnamon rat 353, 457
Lung epithelial cells 410
Lymphocyte proliferation 168
Lymphocytes 296

Magnesium 557
Maillard reaction 307
MAK value 632
Mammary gland 519
Mandelic and phenylglyoxylic acid in urine 632
Mesangial cells 337
Metabolism 387
Metallothionein 141, 519
Metals in mussels 289
Methamidophos 296
Methyl bromide 489, 641
Mianserin 147
Mice 493
Mice brain 22
Milk 519
Mineral oil 129, 180
Monoclonal antibodies 233
Mononuclear blood cells 15
Monooxygenase enzymes 465
Mouse skin 316
Myocontracture 485

N-Acetyl-β-D-glucosaminidase 255, 346
N-Methyl-D-aspartate 55
β-Naphthoflavone 208
n-Dodecane 316
Nerve agent 473
Neurofilament proteins 296
Neuropathology 115
Neuropathy target esterase 655
Neurotoxic effects 510
Neurotoxicity 419
Nicotine 65, 532
Nitric oxide 269
Nitrosodimethylamine 141
NMDA and non-NMDA antagonists 581
Non-enzymatic glycosylation 307
Nonylphenol 217
Northern blot 410
NQO1 polymorphism 528

O^6-methylguanine DNA methyltransferase (MGMT) 15
Ochratoxin A 108
4-*tert*-Octylphenol 625
p-*tert*-Octylphenol 217
Okadaic acid 289
Oleoyl anilide 493
Organophosphate poisoning 115
Organophosphates 7, 655
ortho-Phenylphenol 607
Osteoporosis 223
β-Oxidation pathway 440
Oxidative 83
Oxidative DNA damage 607
Oxidative stress 141
Oxidized tryptophan 540
Oximes 7

Papillary toxicity 233
Peripheral nervous system diseases 296
Peroxisome proliferation 451
Peroxisome proliferators 413, 440
Peroxisomes 440
2-Phenoxyethanol 55
Phenylbenzoquinone 607
Phenylhydro-quinone 607
Phenylvalerate 655
Phosphoenolpyruvate carboxykinase, PEPCK 323
Phospholipase A_2 inhibitors 1
Photoallergy 501
Phytoestrogens 50
Polychlorinated biphenyls (PCB) 588
Polymerase chain reaction (PCR)-based subtraction 410
Polymorphism 431
Polymorphonuclear leukocyte 310
Polyphenols 485
Porphobilinogen deaminase 90
Porphyrins 90
Potassium dichromate 255
PPARα 413
Primary cultures 108
Primates 115
Prolactin pulsatility 60
Promotion 373
Propylene oxide 489
Prostaglandin E_2 223
Protein binding 123
Protein kinase C 223
Proteinuria 246
Proximal tubule segment-specific injury 255
Pseudopregnancy 175
Puberty 60
Pyridine 208

Rat 168, 229, 301
Rat brain 108
Rat histology 581
Rat liver 625
Rat papillary antigens 233
Rat testis 96
Rat tissues 83
Reactivation 7
Reactive oxygen species 479
Reactive oxygen species (ROS) 588
Real-time PCR 528
Renal ischaemia 479
Restriction fragment length polymorphism 496
Retinoids 547
Reverse-transcription (RT)-PCR 419
Rifampicin 203
Risk assessment 618

S-phase 465
Sarin 123
SDS-PAGE 246
Seizures 115, 269, 473
Selective cytoxicity 108
Selective retinoids 547
Sexual dimorphism 208
SHSY-5Y cells 403
Sister chromatid exchange 282
Skin 129
Soman 123, 269, 473
Species differences 413, 440
Species extrapolation 618
Standardized exposures 632
Stanozolol 465
Stress 83
Succinate dehydrogenase 229
Suprachiasmatic nucleus (SCN) 367
Sweat 649
Sympathetectomy 41
Synaptosomes 588
Synergistic effects 289

T-cell 159
Tert-butylhydroperoxide 263
Testicular toxicity 274
2,3,7,8-Tetrachlorodibenzo-*p*-dioxin, TCDD 323
Tetrahydrofuran 316
Threshold limit setting 510
Thymidine glycol 479
TNFα 419
Toxic oil syndrome (TOS) 493
Toxicokinetics 217, 547
Trichloroethylene 246
Triethyleneglycoldimethacrylate (TEGDMA) 381
Triphenyltin 175
Tubular damage 246
Tyrosine residue 123

Uremic toxin 649
Urinary markers 233
Urine 229
Uroporphyrinogen decarboxylase 90
Uterine function 175

Variability 618
Vasoreactivity 337
Vero cells 289

WB-F344 cells 152
Wilson disease 353
Wistar rat 641